User Manual

Wiring Magnetic Sensor
SIM-0001/0002

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat reaisters, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug, A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety, If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/ accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used. Use caution when moving the cart/apparatus combination to avoid injury from tip-over.

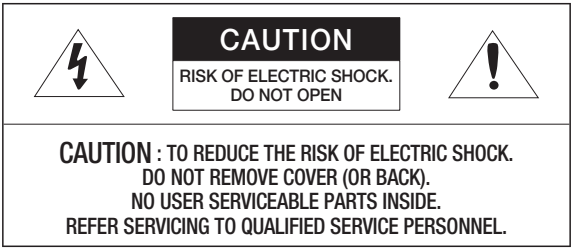
13. Unplug this apparatus during lighting storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PROCUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENNINGS ON THE EQUIPMENT.

Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus

CAUTION


CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

EXPLANATION OF GRAPHICAL SYMBOLS

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Class I construction

An apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

Battery

Batteries(battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Disconnection Device

Disconnect the main plug from the apparatus, if it’s defected. And please call a repair man in your location.

When used outside of the U.S., it may be used HAR code with fittings of an approved agency is employed.

CAUTION

These servicing instructions are for use by qualified service personnel only.
To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Please read the following recommend safety precautions carefully.

- Do not Place this apparatus on an uneven surface.
- Do not install on a surface where it is exposed to direct sunlight, near heating equipment or heavy cold area.
- Do not place this apparatus near.
- Do not attempt to service this apparatus yourself.
- Do not place a glass of water on the product.
- Do not install near any magnetic sources.
- Do not block any ventilation openings.
- Do not place heavy items on the product.

User's Manual is a guidance book how to use the products

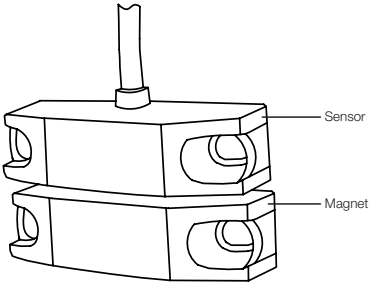
The meaning of the using sign in the book is following

- Reference: in case of providing information for helping of product's usages
- Notice: If there's any possibility to occur any damages for the goods and human caused by not following the instruction

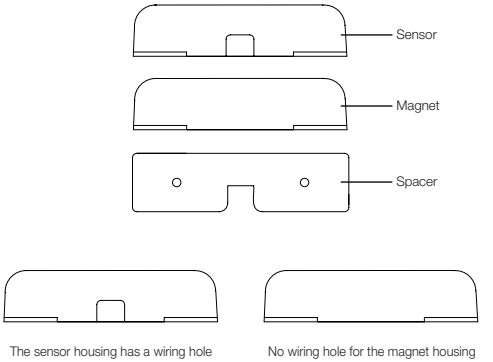
※ Please read this manual for the safety before using of goods and keep it in the safe place.

IR Sensor at a Glance

SIM-0001



SIM-0002



The sensor housing has a wiring hole

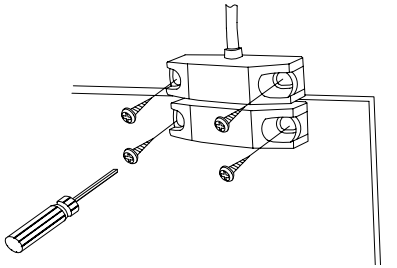
No wiring hole for the magnet housing

Installation Instructions

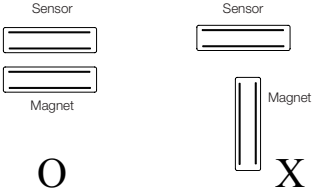
- This sensor will just detect the opening/closing of the door or window, not designed for an anti-theft system or blocking unauthorized access.
- The point of contact capacity is low so do not operate the bell, buzzer or lamp through this sensor.
- If the wiring distance is too long between connected receivers or sub units, the sensor may be damaged due to a possible surge as the capacity distribution difference between cables. So make the wiring distance in less than 250 m.
- Do not disassemble the sensor at your will.
- Do not expose the sensor to rain or moist, and keep it away from a wet place.
- Do not put force on the sensor when installing. Otherwise, the inner glass tube may be damaged.

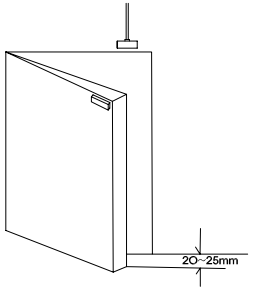
Installation (SIM-0001)

1. Attach the sensor housing on the door frame using the screws (4mm).
2. Install the magnet housing on the door using the screws (4mm).

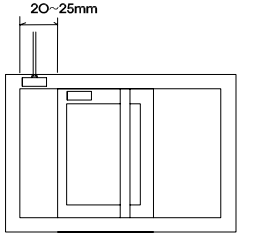


3. Adjust the setting so that it will be activated when the door is open or closed more than 25 mm or 30 mm.
   - However, the effective range may be reduced by up to 50% depending on the magnetic substance (iron door).
     In this case, use the "**Spacer**" to adjust the work range.
   - Install the sensor housing in parallel with the magnet housing.
     If you install the housings vertically, the sensor will not operate at all.



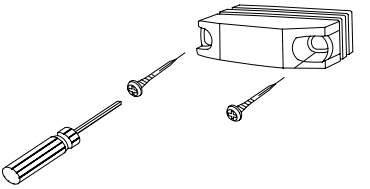


<Installing on the door>



<Installing on the window>

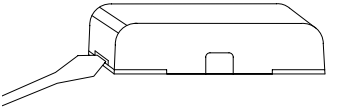
4. If you inevitably use the "**Spacer**" because of the door structure, ensure that you fix it to the door using proper-length screws.



Installation (SIM-0002)

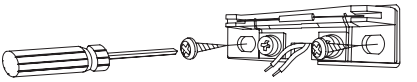
To install the sensor and magnet housings

1. Remove the cover from each housing as shown.

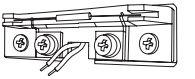


2. Drill a hole and use the screws to fix the housing.
(for wooden materials, use screws only)

- Drill a 2.5mm hole and use the 3mm screws.
  You can use screws in sizes of up to 4mm for this purpose.

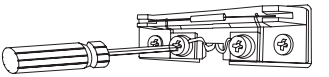


- Wiring
  One-strand: 0.65mm ~ 0.9mm, Multi-strand: 0.5mm ~ 0.75mm
- Use the manual screwdriver when tightening the screws.
- The maximum allowable torque for clamping is 10kgf/cm^2.



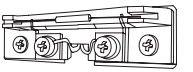
3. Connect the cables as necessary.

- Use the manual screwdriver when connecting the cables.



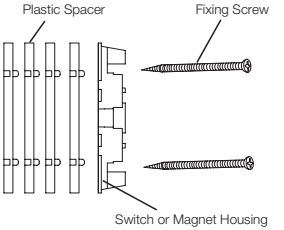
4. Close the cover.

5. Repeat the same procedure above for the magnet housing.



To install the spacer

1. Pile up the "**Spacer**" as many as necessary to fit the hole.
2. Place the spacers in order from the top of the switch or the magnet housing and fix them using screws.
   - Select a proper length screw according to the number of "**Spacer**" used. (not included)



Specifications & Appearance

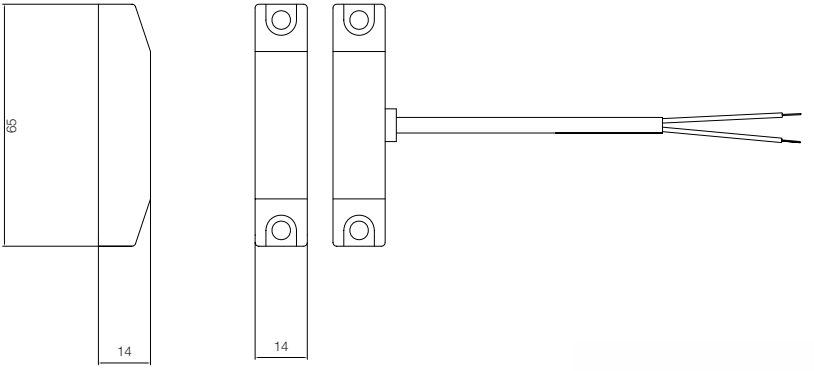
Specifications

Item	Description	
Model	SIM-0001	SIM-0002
PULL IN	30mm or higher	
DROP OUT	60mm or lower	
Contact Point Capacity	10 W	
Temperature	-20℃ ~ 50℃	
Weight	42g	28g

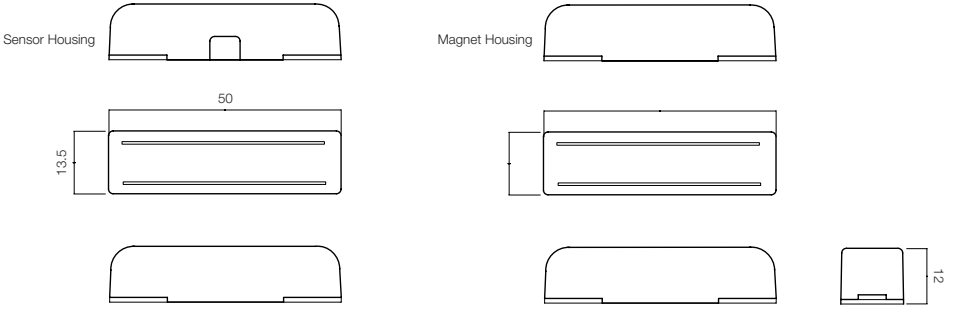
Appearance

Unit: mm

SIM-0001



SIM-0002



SAMSUNG TECHWIN

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

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